

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Wolfgang Hirschburger

Serial No.: 10/685,280

Conf. No.: 4919

Filed: 10/14/2003

For: PORTABLE BATTERY  
CHARGING AND AUDIO  
UNIT

Art Unit: 2644

Examiner:



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4/7/06  
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*Roger D. Greer*  
Attorney for Applicant(s)  
Registration No. *abree*

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within either of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the national application or the date of entry into the national stage; or
- (b) before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

GREER, BURNS &amp; CRAIN, LTD.

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Customer Number 24978

By: *Roger D. Greer*

Roger D. Greer

Registration No. 26,174



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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **1** of **10**

## **Complete if Known**

Application Number **10/685,280**  
Filing Date **10-14-2003**  
First Named Inventor **Wolfgang Hirschburger**  
Art Unit  
Examiner Name  
Attorney Docket Number **0212.66894**

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/DP/		US- 4,835,409	05-30-1989	Bhagwat et al.	
		US- 4,188,585	02-12-1980	Wissel et al.	
		US- 5,136,229	08-04-1992	Galvin	
		US- 6,223,025 B1	04-24-2001	Tsukuda	
		US- 5,471,128	11-28-1995	Patino et al.	
		US- 3,824,472	07-16-1974	Engel et al.	
		US- 2,771,559	11-20-1956	Montmeat	
		US- 2,771,560	11-20-1956	Creiman	
		US- 6,412,572 B2	07-02-2002	Habedank et al.	
		US- 3,971,889	07-27-1976	Hays	
		US- 5,055,986	10-08-1991	Johnson	
		US- 5,793,130	08-11-1998	Anderson	
		US- 5,764,029	06-09-1998	Coyle	
		US- 5,146,618	09-08-1992	Wenner	
		US- 5,650,669	07-22-1997	Aldous	
		US- 5,638,540	06-10-1997	Aldous	
		US- 4,933,988	06-12-1990	Thibault	
		US- 5,404,419	04-04-1995	Artis, Jr.	
		US- 5,590,401	12-31-1996	Ide et al.	

## **FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/DP/		JP 09-051281	02-18-1997			
		JP 52-112705	08-26-1977			
		JP 09-200974	07-31-1997			
		JP 08-308113	11-22-1996			
		JP 08-185893	07-16-1996			
		JP 52-150005	12-13-1977			

Examiner Signature **/Disler Paul/**

Date Considered **02/17/2009**

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Sheet 12 of 10

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Application Number 10/685,280  
Filing Date 10-14-2003  
First Named Inventor Wolfgang Hirschburger  
Art Unit  
Examiner Name  
Attorney Docket Number 0212.66894

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/DP/		US-6,374,127 B1	04-16-2002	Park	
		US-6,326,764 B1	12-04-2001	Virtudes	
		US-6,336,039 B1	01-01-2002	Usui et al.	
		US-6,496,688 B2	12-17-2002	Smith	
		US-6,525,511 B2	02-25-2003	Kubale et al.	
		US-6,621,246 B2	09-16-2003	Kubale et al.	
		US-4,194,157	03-18-1980	Uno	
		US-4,095,184	06-13-1978	Hochstein et al.	
		US-4,091,318	05-23-1978	Eichler et al.	
		US-4,050,493	09-27-1977	Cho	
		US-4,045,663	08-30-1977	Young	
		US-4,006,764	02-08-1977	Yamamoto et al.	
		US-3,984,645	10-05-1976	Kresch	
		US-5,590,419	12-31-1996	Shimo	
		US-3,968,417	07-06-1976	Dials	
		US-3,962,591	06-08-1976	Popka	
		US-3,943,423	03-09-1976	Hoffman	
		US-3,883,789	05-13-1975	Achenbach et al.	
		US-3,852,652	12-03-1974	Jasinski	

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/DP/		Country Code* Number** Kind Code* (if known)				
		JP 50-133804	11-04-1975			
		JP 40-007852	04-18-1962			
		WO 87/02848	05-07-1987	General Electr.		
		JP 52-112705	02-20-1951			
		EP 0511740 A1	11-04-1992	Gates Energy		
		EP 0340794 A2	11-08-1989	NEC Corporation		

Examiner Signature /Disler Paul/ Date Considered 02/17/2009

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Sheet 13 of 10

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Filing Date 10-14-2003  
First Named Inventor Wolfgang Hirschburger  
Art Unit \_\_\_\_\_  
Examiner Name \_\_\_\_\_  
Attorney Docket Number 0212.66894

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/DP/		US-3,533,119	10-13-1970	Dokos	
		US-3,525,912	08-25-1970	Wallin	
		US-5,628,054	05-06-1997	Osaka	
		US-3,267,510	08-23-1966	Cote	
		US-3,079,510	02-26-1963	Hartwig	
		US-2,591,438	04-01-1952	Kinman et al.	
		US-2,582,330	01-15-1952	Hautala	
		US-2,565,273	08-21-1951	Shuler et al.	
		US-D388,785	01-06-1998	Yuen	
		US-D358,579	05-23-1995	Richards et al.	
		US-D349,116	07-26-1994	Peersmann	
		US-D348,461	07-05-1994	Peersmann	
		US-D332,768	01-26-1993	Giard, Jr.	
		US-D327,468	06-30-1992	Dea et al.	
		US-D321,513	11-12-1991	Totsuka et al.	
		US-D320,600	10-08-1991	Yuen	
		US-D320,210	09-24-1991	Mbuthia	
		US-D310,529	09-11-1990	Yuen	
		US-D307,829	05-15-1990	Hasuike	

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/DP/		Country Code <sup>2</sup> "Number" "Kind Code" (if known)				
		GB 2242083 A	09-18-1991	Technophone Ltd.		
		GB 2239567 A	07-03-1991	Technophone Ltd.		
		JP 62-178632	11-13-1987			
		JP 02-063587	05-11-1990			
		JP 02-084490	06-29-1990			
		JP 05-031378	04-23-1993			

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 10

### Complete if Known

Application Number	10/685,280
Filing Date	10-14-2003
First Named Inventor	Wolfgang Hirschburger
Art Unit	
Examiner Name	
Attorney Docket Number	0212.66894

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/DP/		US-D134,136	10-20-1942	Sherman et al.	
		US-D296,243	06-14-1988	Ohashi	
		US-D240,836	08-03-1976	Corvette	
		US-D163,645	06-12-1951	Shuler et al.	
		US-D134,818	01-19-1943	Fletcher	
		US-5,283,654	02-01-1994	Cho	
		US-5,118,962	06-02-1992	Ishii et al.	
		US-2,473,194	06-14-1949	Ching-Ih Chou	
		US-5,578,875	11-26-1996	Dormer et al.	
		US-1,511,581	10-14-1924	Ritter et al.	
		US-1,518,508	12-09-1924	Hartwig	
		US-3,214,670	10-26-1965	Schaf	
		US-3,521,142	07-21-1970	Ludlam	
		US-4,645,996	02-24-1987	Toops	
		US-4,628,242	12-09-1986	Scholefield	
		US-4,489,268	12-18-1984	Beachy	
		US-5,172,043	12-15-1992	Toops	
		US-5,949,216	09-07-1999	Miller	
		US-5,300,875	04-05-1994	Tuttle	

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/DP/		Country Code <sup>3</sup> Number <sup>2</sup> Kind Code <sup>5</sup> (if known)				
		JP 06-005232	01-21-1994			
		JP 06-268548	09-22-1994			
		JP 09-004715	01-07-1997			
		JP 07-193444	07-28-1995			
		JP 08-195191	07-30-1996			
		JP 07-307580	11-21-1995			

Examiner Signature: /Disier Paul/ Date Considered: 02/17/2009

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		US-5,771,471	06-23-1998	Alberth, Jr. et al.	
		US-6,233,343 B1	05-15-2001	Muranami et al.	
		US-6,057,608	05-02-2000	Bailey, Jr. et al.	
		US-5,889,383	03-30-1999	Teich	
		US-5,847,541	12-08-1998	Hahn	
		US-5,834,921	11-10-1998	Mercke et al.	
		US-5,792,573	08-11-1998	Pitzen et al.	
		US-5,584,055	12-10-1996	Murui et al.	
		US-5,552,692	09-03-1996	McKillop	
		US-5,510,693	04-23-1996	Theobald	
		US-5,396,162	03-07-1995	Brilmyer	
		US-5,394,073	02-28-1995	Nagai	
		US-5,150,031	09-22-1992	James et al.	
		US-5,254,931	10-19-1993	Martensson	
		US-5,218,284	06-08-1993	Burns et al.	
		US-6,230,029 B1	05-08-2001	Hahn et al.	
		US-6,154,008	11-28-2000	Bradus et al.	
		US-6,124,699	09-26-2000	Suzuki et al.	

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		JP 04-150728	05-25-1992			
		JP 61-197646	09-01-1986			
		DE 69803432 T2	06-09-1999	Palazzoli		
		EP 0310717 A1	04-12-1989	Black & Decker		
		GB 2195841 A	04-13-1988	Mitsubishi		
		EP 0090480 A2	10-05-1983	Automation Ind.		

Examiner Signature /Disler Paul/

Date Considered 02/17/2009

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/DP/		US- 6,112,414	09-05-2000	Andis et al.	
		US- 6,091,225	07-18-2000	Kim et al.	
		US- 6,002,237	12-14-1999	Gaza	
		US- 5,998,966	12-07-1999	Gaza	
		US- 5,847,545	12-08-1998	Chen et al.	
		US- 6,298,245 B1	10-02-2001	Usui et al.	
		US- 5,764,030	06-09-1998	Gaza	
		US- 5,689,171	11-18-1997	Ludewig	
		US- 5,680,026	10-21-1997	Lueschen	
		US- 5,656,917	08-12-1997	Theobald	
		US- 5,625,237	04-29-1997	Saeki et al.	
		US- 5,606,241	02-25-1997	Patino et al.	
		US- 5,568,198	10-22-1996	Sakurai et al.	
		US- 5,465,117	11-07-1995	Ide et al.	
		US- 5,371,784	12-06-1994	Yankura	
		US- 5,369,797	11-29-1994	Tyree	
		US- 5,343,136	08-30-1994	Yamaguchi et al.	
		US- 5,325,040	06-28-1994	Bogut et al.	
		US- 5,317,249	05-31-1994	Ford	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.†	Foreign Patent Document Country Code <sup>3</sup> Number <sup>3</sup> Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	*†
/DP/		DE G7342534	03-14-1974	Black & Decker		
		EP 0511740 A1	11-04-1992	Toops		
		WO 81/00654	03-05-1981	Motorola		
		EP 1311012 A2	05-14-2003	Milwaukee Elec.		
		EP 0509284 A2	10-21-1992	Grundig EMV		
		DE 1463443	01-23-1969	Norddt. Mende		

Examiner  
Signature

/Disler Paul/

Date  
Considered

02/17/2009

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**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 17 of 10

Application Number	10/685,280
Filing Date	10-14-2003
First Named Inventor	Wolfgang Hirschburger
Art Unit	
Examiner Name	
Attorney Docket Number	0212.66894

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
/DP/		US-5,254,927	10-19-1993	Chiang	
		US-5,193,220	03-09-1993	Ichinohe et al.	
		US-5,191,277	03-02-1993	Ishikura et al.	
		US-5,187,422	02-16-1993	Izenbaard et al.	
		US-5,170,851	12-15-1992	Kress et al.	
		US-5,179,747	01-19-1993	Zink	
		US-6,223,835 B1	05-01-2001	Habedank et al.	
		US-5,235,822	08-17-1993	Leonovich, Jr.	
		US-5,239,687	08-24-1993	Chen	
		US-5,245,269	09-14-1993	Tooley et al.	
		US-5,262,710	11-16-1993	Taylor	
		US-5,339,956	08-23-1994	Thomason	
		US-6,154,004	11-28-2000	Higuchi	
		US-4,993,061	02-12-1991	Hsieh	
		US-4,751,452	06-14-1988	Kilmer et al.	
		US-5,369,565	11-29-1994	Chen et al.	
		US-5,344,339	09-06-1994	Cheslock	
		US-5,434,018	07-18-1995	Sasaki et al.	
		US-5,437,938	08-01-1995	Mitsui et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code* Number** Kind Code* (if known)				
/DP/		DE 1136764	09-20-1962	Standard Elektrik		
		DE 1171524	06-04-1964	Robert Bosch		
		DE 3016551 A1	12-18-1980	Villamosipari Kutato		
		DE 2036476	01-27-1972	Licentia Patent		
		DE 4106557 A1	09-03-1992	Maerten		
		EP 0920062 A1	06-02-1999	Celgard LLC		

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Date Considered

02/17/2009

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 8 of 10

### Complete if Known

Application Number 10/685,280  
Filing Date 10-14-2003  
First Named Inventor Wolfgang Hirschburger  
Art Unit  
Examiner Name  
Attorney Docket Number 0212.66894

### U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/DP/		US-5,447,041	09-05-1995	Piechota	
		US-5,459,388	10-17-1995	Illingworth et al.	
		US-5,460,906	10-24-1995	Leon et al.	
		US-5,508,126	04-16-1996	Braun	
		US-5,508,123	04-16-1996	Fan	
		US-5,510,206	04-23-1996	Akami	
		US-5,572,592	11-05-1996	Muckelrath	
		US-5,587,250	12-24-1996	Thomas et al.	
		US-6,127,797	10-03-2000	Walker	
		US-5,651,485	07-29-1997	Impastato	
		US-5,657,210	08-12-1997	Yamanaka	
		US-5,665,485	09-09-1997	Kuwayama et al.	
		US-5,672,441	09-30-1997	Aoki et al.	
		US-5,685,421	11-11-1997	Gilmore	
		US-5,694,467	12-02-1997	Young	
		US-5,717,314	02-10-1998	Wakefield	
		US-5,752,205	05-12-1998	Dzung et al.	
		US-5,814,968	09-29-1998	Lovegreen et al.	
		US-5,870,149	02-09-1999	Comroe et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	<sup>1</sup>
		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known)				
		GB 632185	03-13-1950	Kolster Brandes Ltd.		

Examiner Signature

/Disler Paul/

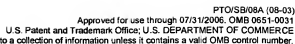
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	9	of	10
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### Complete if Known

Application Number	10/685,280
Filing Date	10-14-2003
First Named Inventor	Wolfgang Hirschburger
Art Unit	
Examiner Name	
Attorney Docket Number	0212.66894

## U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code‡ (§ 1.702)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/DP/		US 5,979,175	11-09-1999	Ellison	
		US 6,007,940	12-28-1999	Spotnitz	
		US 6,025,694	02-15-2000	Mercke et al.	
		US 6,051,334	04-18-2000	Tsurumaru et al.	
		US 6,058,320	05-02-2000	Yokota	
		US 6,071,639	06-06-2000	Bryant et al.	
		US 6,087,815	07-11-2000	Pfeifer et al.	
		US 2003/0117107 A1	06-26-2003	Zick et al.	
		US 2004/0070369 A1	04-15-2004	Sakakibara	
		US 2004/0095094 A1	05-20-2004	Kubale et al.	
		US 2004/0147295 A	07-29-2004	Domes	
		US 2004/0155627 A1	08-12-2004	Stanesti et al.	
		US 2004/0160212 A1	08-19-2004	Mastaler et al.	
		US 2004/0239287 A1	12-02-2004	Batts-Gowins	
		US 2003/0069001 A1	04-10-2003	Domes	
		US 2002/0089306 A1	07-11-2002	Kubale et al.	
		US 2002/0042258 A1	04-11-2002	Domes	
		US 2003/0090239 A1	05-15-2003	Sakakibara	
		US 2002/0113573 A1	08-22-2002	Woodroffe et al.	

## FOREIGN PATENT DOCUMENTS

[illegible]

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

### Complete if Known

Application Number 10/685,280

Filing Date 10-14-2003

First Named Inventor W. Hirschburger

Art Unit

Examiner Name

Attorney Docket Number 0212.66894

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/DP/	1	CARL J. CAMPAGNUOLO et al., Development of the G-76/G direct current generator for charging batteries and powering radios, p.238-243	
	2	Review: The IC2 series revealed. In: Radio & Electronics World, p.58-63, October 1981	
	3	LARRY LEDLOW, The Kenwood TH-205AT Two-Meter Handheld. In: 73 Amateur Radio, p.14, December 1987	
	4	Advertisement in Radio & Electronics World, August 1988	
	5	ROBERT WITMER, The UNI-8 Porta-Power Adapter. In: 73 Amateur Radio, March 1990, p.14-15	
	6	CHARLES A. GESWEIN, Multi-Band Multi Mode Hand Held Radio. In: Proceedings of the 1996 Tactical Communications Conference, 1996, p.335-339	
	7	Japanese Article by YUKINORI KUWANO, 1986, p.63-70	
	8	DAVE BUSH et al., Improved Vehicle operated auxiliary lead-acid battery charger, August 1989	
	9	ALFRED H. BELLMAN et al., MANPACK: a new solution to an old problem. In: SIGNAL, April 1977, p.6-10	
↓	10	M. PIRSON, A new vehicular and manpack HF/SSB radio. In: Philips Telecommunication Review, August 1979, p.188-195	

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Date  
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet **2** of **2**

## **Complete if Known**

Application Number	10/685,280
Filing Date	10-14-2003
First Named Inventor	W. Hirschburger
Art Unit	
Examiner Name	
Attorney Docket Number	0212.66894

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/DP/	11	A. KURVITS, "400 watt HF radio set for operation in extreme environments. In Communications Equipment and Systems, 1980, p.255-259	
	12	"Sony Do it Again" in: Radio & Electronics World, January 1984, p.23-24	
	13	Advertisement in: Radio & Electronics World, April 1984, p.10-11	
	14	G.N. HOBBS et al., "Scimitar H - combat net radio of the 80s", in: Communication & Broadcasting, February 1985, p.29-37	
	15	JASON MEYERS, "Getting the signal out: radio vendors broadcast quality, extension messages", in: Telephony, March 31, 1997	
	16	PAUL PINELLA, "Gifts for grads, Dads, Moms, and marrieds, in: Saturday Evening Post, May-June 1984	
	17	STEVE FORD, "A portable shortwave receiver roundup", in: QST, August 1997	
↓	18	WR World Receiver Satellit 700, by GRUNDIG	

Examiner Signature	/Disler Paul/	Date Considered	02/17/2009
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